AMENDMENTS TO THE CLAIMS

1.-5. (Cancelled)

6. (New) A method for controlling a crane, comprising:

　　　providing a plurality of velocity requests as control sequences from a crane control system to crane drives at first time intervals;

　　　storing the velocity requests in a control system;

　　　comparing each of the plurality of velocity requests with a previous velocity request to determine a velocity change;

　　　forming an acceleration sequence for each corresponding velocity change;

　　　storing each acceleration sequence as a stored acceleration sequence;

　　　summing the velocity changes defined by the stored acceleration sequences over a second time interval to form an obtained sum, the second time interval being several multiples of the first time interval;

　　　adding the obtained sum to the previous velocity request to achieve a new control for the crane drives; and

　　　performing some of the summed velocity changes immediately and performing the rest of the velocity changes at a delayed time over the second interval.

7. (New) The method of controlling a crane according to claim 6, wherein the second time interval is 20 times the first time interval.

8. (New) The method of controlling a crane according to claim 6, wherein a ratio of the second time period to the first time period is variable.

9. (New) The method of controlling a crane according to claim 6, wherein the acceleration sequences are stored in a two part table, wherein the velocity change is stored in the first part, and the delay is stored in the second element.

10. (New) The method of controlling a crane according to claim 6, wherein a velocity change is restricted in size so that the sum of the velocity change and the previous velocity request does not exceed a predetermined maximum acceleration